

## Nanodisc Human BRIL-MC2R-Strep Protein

HDFP1474

### Description

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This high-purity recombinant protein is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

### Product Information

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|-------------------------|----------------------------------------|
| <b>SKU:</b>             | HDFP1474                               |
| <b>Contents:</b>        | 10µg<br>Bradford Reagent: 1 vial (2ml) |
| <b>Category:</b>        | Full Length Transmembrane Proteins     |
| <b>Synonyms:</b>        | ACTHR                                  |
| <b>Tag:</b>             | C-Flag&Strep Tag                       |
| <b>Target:</b>          | MC2R                                   |
| <b>Conjugation:</b>     | Unconjugated                           |
| <b>Expression Host:</b> | HEK293                                 |

### Protein Data

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|------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Uniprot ID:</b>                       | Q01718                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Protein Families:</b>                 | Druggable Genome, GPCR, Transmembrane                                                                                                                                                                                                                                                                                                                                                |
| <b>Protein Pathways:</b>                 | Neuroactive ligand-receptor interaction                                                                                                                                                                                                                                                                                                                                              |
| <b>Formulation &amp; Reconstitution:</b> | Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions. Do not use solvents with a pH below 6.5 or those containing high concentrations of divalent metal ions (greater than 5 mM) in subsequent experiments. |
| <b>Molecular Weight:</b>                 | The human full length MC2R-Strep protein has a MW of 44.8 kDa                                                                                                                                                                                                                                                                                                                        |

**Manufacturers Statement:** This final kit system is assembled and quality-released by Assay Genie Limited.

**Storage & Shipping**

Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

Store Bradford Reagent at Room Temperature for 1 year.

**Usage:**  
**Protein Quantification (Optional):**

Research use only

To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol